

REMARKS

The applicant elects Group I without traverse and the following species:

Species A: a Monte Carlo algorithm (reading on claims 1-8, 12-29, 38-66);

Species B: an ensemble of backbone structures (reading on claims 1-8, 12-29, 38-66);  
and

Species C: generation by a Monte Carlo simulation (reading on claims 1-8, 12-14, 16,  
18, 19-22, 24-29, 38-66).

Examination of generic claims is requested as to their entire scope. Enumeration of the above-elected species is made for initial examination pursuant to 37 C.F.R. 1.146. This rule states that the purpose of a species election is to restrict examination to the species "if no claim to the genus is found to be allowable." Accordingly, the applicant requests that, upon allowance of one or more generic claims, all claims drawn to species of such claims also be allowed. See MPEP 806.04(d).

The newly added claims either depend from claims assigned to Group I, or, if independent, relate to generating a matrix. Support for the newly added claims and amendments to the original claims can be found in the original claims and the specification. No new matter has been added.

The above amendment also inserts a sequence listing to comply with Rule 1.821. The sequence listing also adds no new matter.

Enclosed is a \$210 check for the Petition for Extension of Time fee. Please apply any other

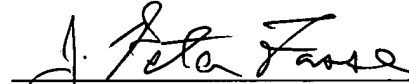
Applicant : John R. Desjarlais  
Serial No. : 09/877,695  
Filed : June 8, 2001  
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Attorney's Docket No.: 16380-002001 / 2001-2425

charges, including charges for excess claims, to deposit account 06-1050, referencing attorney  
docket number 16380-002001.

Respectfully submitted,

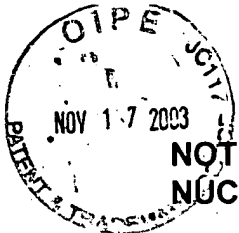
Date: 11-13-03



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Application No.: 09/877,695

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: \_\_\_\_\_

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

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